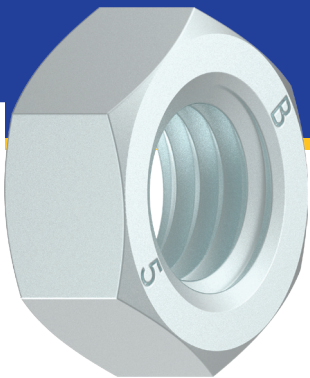


HEX NUT
CLASS 5 METRIC

APPLICATION

Bremick® Hex Nuts Metric Class 5 are designed for industrial and construction applications where moderate performance is required

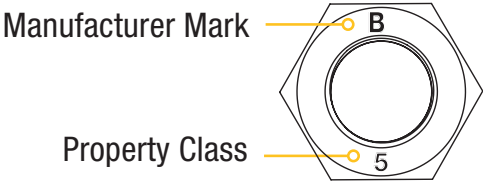
PLAIN



PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 5 (Style 1, NQT)
Thread Form:	Metric 6H
Finish:	Plain/Black/Natural
Standard:	Complies to AS 1112.1:2015
Mechanical Properties:	Complies to ISO 898.2:2022
Chemical Composition:	Complies to ISO 898.2:2022

MARKING



In some cases, the Bremick marking will be replaced by the mark of the original manufacturer

MECHANICAL PROPERTIES

DIAMETER (mm)			M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M33	M36	M39
PROOF LOAD (N)		MIN	8250	11700	21600	34200	51400	70200	95800	121000	154400	222400	289200	353400	437200	514700	614900
STRESS UNDER PROOF LOAD (MPa)		MIN	585		605		610			640			660				
HARDNESS	VICKERS (HV)	RANGE	130-334							146-334							

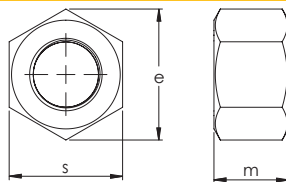
CHEMICAL COMPOSITION (%)

MATERIAL	C		Mn	P	S	TEMPERING TEMPERATURE °C
	MIN	MAX	MIN	MAX	MAX	MIN
CARBON STEEL	0.06	0.58	0.25	0.060	0.15	-

FINISH INFORMATION

PLAIN / BLACK / NATURAL		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Plain, Black & Natural are all terms referring to the fastener not having a coating applied. The product has a light oil added.	Plain or uncoated fasteners offer no corrosion protection they are supplied lightly oiled to inhibit the rust process prior to installation and help during installation.	—

DIMENSIONAL DATA (mm)



DIAMETER	PITCH (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)		NUT HEIGHT (m)	
		MIN	MAX	MIN		MIN	MAX
M3	0.50	5.32	5.50	6.01		2.15	2.40
M4	0.70	6.78	7.00	7.66		2.90	3.20
M5	0.80	7.78	8.00	8.79		4.40	4.70
M6	1.00	9.78	10.00	11.05		4.90	5.20
M8	1.25	12.73	13.00	14.38		6.44	6.80
M10	1.50	15.73	16.00	17.77		8.04	8.40
M12	1.75	17.73	18.00	20.03		10.37	10.80
M14	2.00	20.67	21.00	23.36		12.10	12.80
M16	2.00	23.67	24.00	26.75		14.10	14.80
M18	2.50	26.16	27.00	29.56		15.10	15.80
M20	2.50	29.16	30.00	32.95		16.90	18.00
M24	3.00	35.00	36.00	39.55		20.20	21.50
M27	3.00	40.00	41.00	45.20		22.50	23.80
M30	3.50	45.00	46.00	50.85		24.30	25.60
M33	3.50	49.00	50.00	55.37		27.40	28.70
M36	4.00	53.80	55.00	60.79		29.40	31.00
M39	4.00	58.80	60.00	66.44		31.80	33.40
M42	4.50	63.10	65.00	71.30		32.40	34.00
M48	5.00	73.10	75.00	82.60		36.40	38.00

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M33	M36	M39	M42	M48
SPANNER SIZE	5.5	7	8	10	13	16	18	21	24	27	30	36	41	46	50	55	60	65	75

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Bremick Pty Ltd
Head Office | 88 Dalmeny Avenue, Rosebery 2018
National Distribution Centre | M5/M7 Logistics Park,
Warehouse 4B, 290 Kurrajong Road, Prestons NSW 2170
www.bremick.com.au